Table of contents

Chapter 0 Control elements and connections

0.1. Receiver front panel

1	**POWER:**	Switches the receiver ON or in Standby mode. For total switching off, use the main switch at the back side of the receiver.	
2	**STAND-BY-LED:**	Shows if the receiver is in Standby mode (when LPC mode is ON)	
3	**Front Buttons:**	Buttons for administrating, the buttons have the same functions like the buttons on the Remote Control.	
4	**VFD-DISPLAY:**	Shows information like channel name and receiver functions	
5	**IR-SENSOR:**	Reception device for signals coming from the remote control	
6	**Front cover:**	Cover for USB connector. There are no card readers installed inside.	
7	**USB:**	Connector for external USB 2.0 HighSpeed devices.	

0.2. VFD-Display
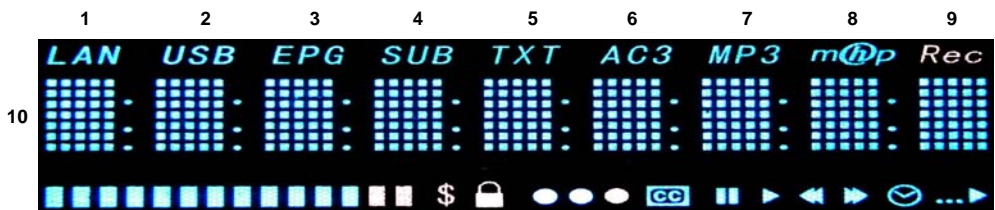
1	*Without function currently*	**13**	**Channel is locked by password**
2	**USB-device is connected**	**14**	**Tuner 1 signal OK**
3	**Channel have EPG- information**	**15**	**Tuner 2 signal OK**
4	**Subtitle available**	**16**	*Without function currently*
5	**Channel have TXT information**	**17**	*Without function currently*
6	**Audio signal in AC3 available**	**18**	**Time shifting is working**
7	*Without function currently*	**19**	**Record is playing**
8	*Without function currently*	**20**	**Record will be moved backward**
9	**Receiver records one channel**	**21**	**Record will be moved forward**
10	**Alpha numeric display**	**22**	**Sleep mode is active**
11	**Bar to show adjusted volume**	**23**	*Without function currently*
12	**Channel is coded**	**24**	*Without function currently*

0.3. Receiver back panel
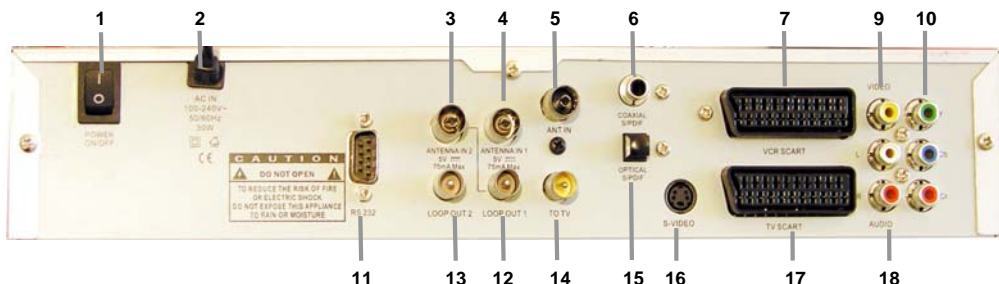
1	POWER ON/OFF:	Main switch to switch off totally the receiver
2	AC IN:	Power cord 230VAC/50Hz.
3	ANTENNA IN 2:	Input of the second digital tuner, it must be connected to **LOOP OUT 1**
4	ANTENNA IN 1:	Input of the first digital tuner
5	ANT IN:	Antenna input for analogue signals, it must be connected to **LOOP OUT 2**
6	S/PDIF:	Coaxial output for digital audio (AC3)
7	VCR SCART:	SCART connector for video recorder, DVD recorder or DVD player
9	VIDEO:	Video output for external monitor, TFT or video beamer
10	Y, CB, CR:	RGB video output for external monitor, TFT or video beamer
11	RS-232:	Serial port to update the firmware of the receiver
12	LOOP OUT 1:	Output from first digital tuner, please connect to **ANTENNA *IN 2***
13	LOOP OUT 2:	Output from second digital tuner, it must be connected to **ANT IN**
14	TO TV:	Modulator output to connect one TV set. Audio signal is available in Mono
15	S/PDIF:	Optical output for digital audio (AC3)
16	S-VIDEO:	S-Video output for external monitor, TFT or video beamer
17	TV SCART:	SCART output for connecting one TV set, mode RGB or CVBS selectable
18	AUDIO:	Audio output for home audio systems

0.4. Remote control

1. **POWER:**	Switches receiver ON or in stand-by-mode	
2. **3-set LED:**	Shines as function control, showing the selected transmission code 1, 2 or 3	
3. **TEXT:**	Open and close teletext	
4. **MUTE:**	Switches audio on and off	
5. **CODE:**	Changes transmission code of the remote control !	
6. **NUMERICBLOCK:**	For direct typing values and names	
7. **CH+ CH-:**	Changes channel up and down	
8. **VOL+ VOL-:**	Adjusts audio volume up and down	
9. **TV/R:**	Switches between TV and Radio channels	
10. **EXIT:**	Exit menus or stop operations	
11. **MENU:**	Opens the main menu	
12. **BACK:**	Watch the last viewed channel.	
13. ◄ ► :	Adjusts audio volume or control cursor in menu	
14. ▲ ▼ :	Changes channel or control cursor in menu	
15. **OK** :	Confirms selections or opens channel list	
16. **Color Keys:**	Controls menu options	
17. **App:**	*Without function currently*	
18. **EPG:**	Shows the EPG information	
19. **List:**	Opens channel list	
20. **Fav:**	Opens favourite channel list	
21. **Audio:**	Opens audio menu	
22. **Sub:**	Switches subtitle on and off	
23. **INFO:**	Shows channel information with signal bar	
24. **Zoom:**	Zoom function	
25. **Pup Pdw:**	Moves cursor in block steps	
26. **Fav+ Fav-:**	Moves favourite channel up and down	
27. ►❚❚ :	Start / Stop button for recording and TimeShift	
28. ◄◄ :	Backward button for recording and TimeShift	
29. ►► :	Forward button for recording and TimeShift	
30. ■ :	Stop button for recording and TimeShift	
31. **PVR** :	Opens PVR menu	
32. **MARK** :	Places marks within recording process	
33. **REC** :	Quick start for recording	
34. **PIP** :	Starts Picture In Picture function	

Back: Battery box

1. First installation

1.1 Complete Content   The following goods must be included in this package when you open it for the first time.

Remote control   **Installation guide**   **Two batteries**
                                                                                           type AAA, Micro, 1,5V

Two connection bridges

IEC connection cable

1.2 Accessories

U3500	Active DVB-T- outdoor antenna
U3200	Active DVB-T- indoor antenna
U3201	Active DVB-T- indoor antenna with picture frame
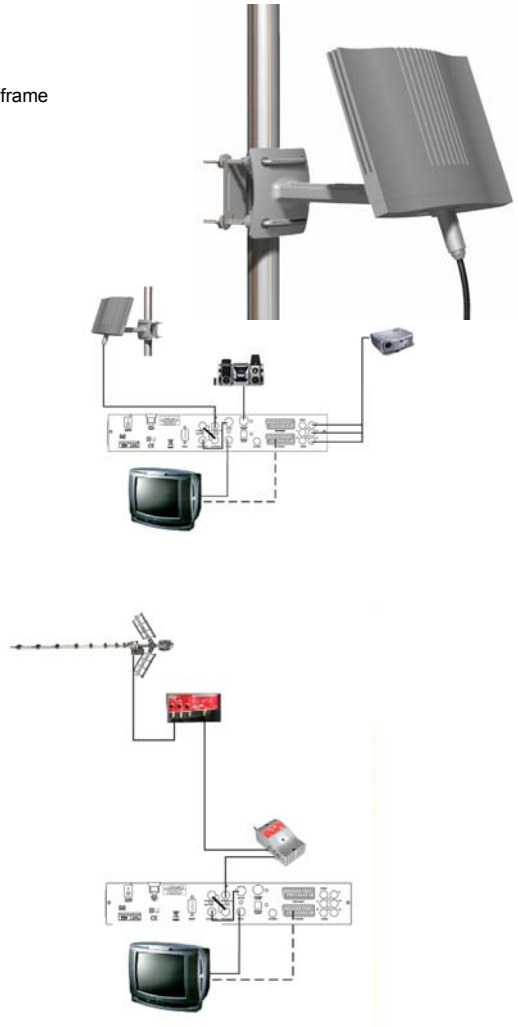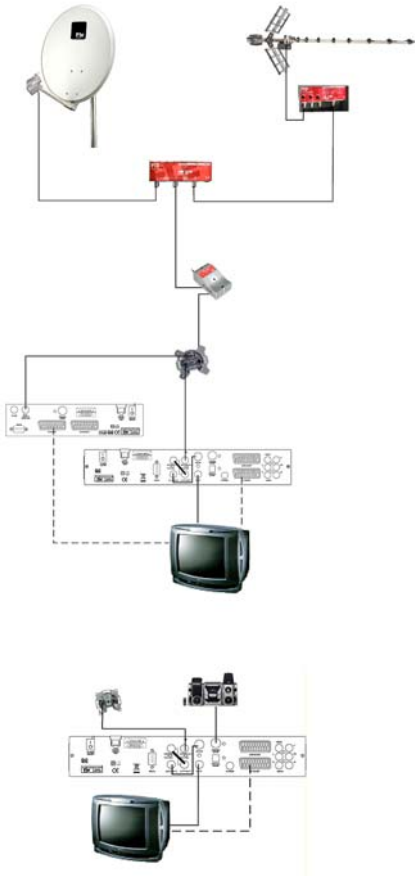
1.3 Safety rules

Please read the manual carefully before using the receiver.
You will receive a lot of information to use this product correctly and you will prevent incidents.
Please keep the manual on a safe place.

This sign warns you about
high voltages, with risk
of electric shock

CAUTION

**RISK OF ELEKTRIC SHOCK
DO NOT OPEN**

Caution: Do not open the housing of
this receiver. Repairs can only be
made by professionals authorized. If
not, warranty will not be valid anymore.

This sign informs about
special information which is
important to know.

Caution: Keep this receiver far away from liquids. Do not place it on placements close to water like flowers
vases, wash basin, aquariums or pools. It exists a high risk of electric shock when water or high humidity
filters inside the receivers. Never place other devices on it; they can overheat the receiver as well as daring
fire risk. The receiver must be used only with original power cord to 230V main plug.
Please read carefully this manual and do not hesitate to contact to professional help if you have any doubt.

Opening the receiver housing as well as the Hard Disk case will mean a total lost of warranty.

Installation:
1.   Never work during a thunderstorm or staying near of the antenna systems.
2.   Before adjusting the receiver, make sure that your antenna is well aligned and works properly.
3.   Unplug the main connection (230V) every time you work with receiver connections. Do it also when you stay
away for a long time out of home like in holiday periods.
 4.   The best placement for the receiver is close to the TV and your other equipment like DVD, VCR, CD, and game
stations. Select a stable place where you can make the necessary connections in a safety way.
The 230V main plug should be in a place easy to reach, that you can unplug it when it is necessary.

Cleaning: Before cleaning the receiver with a slightly damped cloth, please disconnect the main 230 V connection from
the receiver. Please use only mild cleaners.

Accessories: Please, do not use accessories which are not agreed by the manufacturer of the receiver.
Unsuitable accessories could increase the risk of getting on fire, an electrical impact or other damages.

Placement: Select a placement where the Receiver has air circulation enough, otherwise it may have overheating
accumulation. Do not cover the openings of the housing. Unsuitable placements are also places close to heaters or soft
locations like e.g. sofas and beds.

Power connection: Select a main plug with easy access, in case of unplugging necessity; it will be easier and faster.
Please, make sure that the cord as well as the plug is in perfect conditions. Do not pull the cable, use always the plug.

Housing: Please, make sure that no liquid will filter into the housing of the receiver. If so, disconnect immediately the
receiver from the main 230 V plug and bring the receiver to a professional.

Air humidity: When you take the Receiver from a cold to a warm place, please wait until the receiver gets the same
temperature as the new environment, in order to avoid problems of humidity condensation.

Maintenance / Repairing: Within the warranty time all the repairing processes should be done by authorized technical
staff. Otherwise, the warranty will be lost.

1.4 Fast installation guide

Please, follow the instructions for a faster and simpler installation of the receiver.

Step 1: Connections

Connecting the antenna cable

Connect the antenna cable coming from your
DVB antenna or distribution system to *Antenna IN 1*.

Connect the output *LOOP OUT 1* to the input *Antenna IN 2*.
Use the included metal connection bridge.

With the short black cable, you have to connect *LOOP OUT 2*
to the input *ANT IN* from modulator.

Connecting TV set, LCD or video beamer

You can connect in different ways your TV set or other display system:

Scart / RGB   At this output (in RGB-mode and RGB -YUV) you will have the best image quality.
This is the connector which will be normally used to connect the TV.
For this purpose, you will need a Scart – Scart connector.

S-VHS   This connection has a little bit better quality than standard Scart (no RGB Mode).
For this purpose, you have to use an S-VHS cable.

Modulator   The modulator output gives the lowest picture quality. You only will need this output if
your TV set only have IEC input. You can use the IEC connection cable that is included.
On the receiver, you have to use the connector *TO TV*.
Please note that with the modulator, you only will have available mono audio signal.

Recorder / DVD   At the *VCR - Scart* connector, you can connect a Video or DVD-Recorder.
Also the signal coming from a DVD player is possible to be wached if your TV set has
Scart connections.
You will find further information at chapter 6.4. VCR Scart mode.

You can obtain further information in chapter 0.3 Receiver back panel.

⚠️ **This receiver has a main switch at the back panel of the receiver.**
If a message "short-circuit" in shown, you have a short-circuit in your antenna system.
Please check it and restart the receiver.

When you set up the system for the first time, the current date will be stored in *Menu* > *System Settings* > *Version* as beginning date for the warranty period.

Step 2: Main settings on receiver

When you start the first time the receiver or when you execute a "factory default" process, you will see this installation guide in English language.

The selection of the menu options will be done with the arrow buttons 🔼 🔽 , ◀ ▶ and the button *OK* of the remote control.

Please, choose the code for your remote control in the first window.
Univers by FTE gives you the possibility of using a DVB-T and a DVB-S receivers at the same time.
For this purpose, your new DVB-T receiver is selected by factory with code 2.
Please press now the button *Code* on your remote control until the LED at the middle is lighting.
If you have problems with remote control devices, you can change the transmission code if you go to *Menu* > *System Settings* > *OSD Settings* after finishing the quick installation guide.

Menu Language:
Here you have to select the language for the Receiver menu and information.
Select the language with the arrow buttons 🔼 🔽 and press the *OK* button.

Time Zone:
In order to the receiver is able to display the correct time and adjust the timer recordings correctly, it is needed to fix the time zone to the place you live.

Select here the time delay according to your position comparing to Greenwich Time.

In UK: Summer time: +1 hours
              Winter time: GMT hour

Select with the arrow buttons 🔼 🔽 and press the *OK* button.

5V Supply for active antennas:
When you use an active DVB-T antenna which needs 5VDC supply, you must activate this option here.

Select with the arrow buttons 🔼 🔽 the option 5V and press the *OK* button.

Channel Searching:

This receiver has no pre programmed channel list, because DVB-T configuration changes in every different area.

Start the channel searching process by pressing the *Green* Button.

The receiver searches now in all TV frequencies.

Channel Search	
Search Type	Mux
Multiplex	794000 kHz
FTA / CAS	Free To Air
Signal	100%
Quality	80%

△ ▼
▶
■ Start Search ■ Mux List
OK Confirm
Exit Cancel

Radio Channels detected

Channels which the receiver has found, currently 11

Current channel

Signal Power and Quality meter related to the selected frequency

Search status

Installation		
Nº	TV Channel	Nº Radio Channel
8 CLAN TVE		3 RNE3
7 24H TVE		
6 TVE 2	Do you want to save	
5 TVE	the new channels?	
4 K3/3	OK Yes Exit No	
3 3/24		

11 channels found   S... 100%
Q... 90%

Status 100%   TV/R Exit Cancel

You may stop searching by pressing the button *Exit* .

Once the search is finished, you must confirm if the new found channels have to be stored.
Press for confirm the *OK*-button.

Now you come back to menu *Channel Search*.

You can start a new search again, or you can close the menu now with the button *Exit* .

The *Fast install guide* is now finished.

1.5 Menu overview

Main menu

Channel Management

TV	Sort: Pos			
Pos	Name	T	Favorites	🔒 ❌ ↓
1 TV3		📺 1/2		
2 33		📺 1/2		
3 3/24		📺 1/2		
4 K3/300		📺 1/2		
5 TVE 1		📺 1/2		
6 TVE 2		📺 1/2		
7 24H TVE		📺 1/2		
8 CLAN TVE		📺 1/2		

794000 kHz V111 A112 P111 T115

Fav · Fav-Name · Delete · Lock
PID · Edit Channel · Del. Group · Skip

Move, rename or delete channels,
Program and, create favourite list.

Main Menu
- Channel Management
- PVR Management
- Timers
- Tools
- System Settings
- Parental Control
- Installation

▲ ▼ Move Line   OK Confirm   Exit Cancel

Parental Control

Parental Control	
Set Lock	No
Channel Lock	No
Record Lock	No
Installation Lock	No
Change Password	

▲ ▼ Move Line   Exit Cancel
◄ ► Choose   OK Confirm

Activate parental control

PVR - Management

HDD-/	Sort: None
Name	① ⚙
sport	
films	
music	
news	
Das Erste	
RTL2	
SAT.1	
SAT.1	
Kabel 1	

HD Management · Add · Delete · Lock
Copy File · Level Up · Edit · Skip

Administration for recordings,
Pictures and MP3 files as well as
connecting external USB devices

Tools

Tools
Calculator
Calendar

▲ ▼ Move Line   OK Confirm   Exit Cancel

Calculator,
Calendar with date management

Installation

Installation
Antenna power
Channel Search
MUX Management
Backup

▲ ▼ Move Line   OK Confirm   Exit Cancel

Receiver and antenna settings
Search channels
Backup

Timers

Timer Programming	Sort: Start		
Pos	Channel	Title	Record
1 33		📺 Horitzons - Trave...	🔴
2 3/24		📺 Notícies 3/24	🔴

02/09/2007 09:55-10:22

Terrestrial TP:794000V4 V121 A122 P121 T123

🔴 Delete   🟢 Edit   🟡 Add
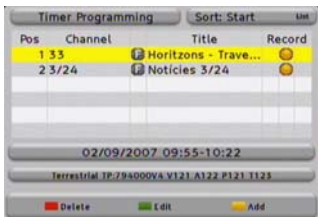
Administration for recordings,
manual activation for timer events

System Settings

System Settings
Menu Language
Audio Language
Time Zone
TV Settings
Recording Settings
OSD Settings
Version
Factory Default
Software upgrade

▲ ▼ Move Line   OK Confirm   Exit Cancel

Main settings for receiver
for OSD and adapt TV set
Factory default
Software upgrade

Chapter 2 Standard functions

2.0 Switch on the receiver

The receiver has a main switch at the back panel. To switch on, take the switch in position *1*.
Now the receiver begins to run and show information on its display.

2.1 StandBy

To switch the receiver from Standby (sleep mode) to the working mode, press *Orange* Power button on the left corner at the top of the remote control.
If the receiver had been working before and you did not switch on by main switch, the receiver show the last displayed channel.
When you press it again, the receiver goes back to the stand by mode.

2.2 Teletext

The button *Text* opens the teletext generator.
Automatically the receiver loads page 100 as standard.
Like in your TV set you can open the pages by pressing the buttons *0-9*.

If you want to open, for example, the page 140, you
have to press the buttons *1* – *4* – *0*.
When you want close the page, press *Exit*.

2.3 MUTE

With this function, you will be able to shut down the audio completely.
To do it, press the button *Mute* and the warning symbol will be displayed.
By pressing again the button *Mute* the function will be disabled.

2.4. Numeric block on remote control

Over the numeric block in the remote control, you can select directly channels the when you know the stored program place.
If you want for example place 23, you have to press the buttons 2 and 3 and after the button *OK* .

2.5. Switch channels

With the buttons *CH+* / *CH-* or ▲ ▼ you can change the channels also.
Press one button for getting one channel up or down.

2.6. Change between TV- and Radio channels

When you want change between TV and Radio channels, you have to press the button *TV/R* on the remote control.

2.7. Vol+/Vol- Volume

With the buttons *Vol+ / Vol-* or ◀ ▶ you can regulate the audio volume.
To do it, you will see a graphic like the one at the left side.
For using this function properly, you need to make an alignment with you TV set.
Turn off the volume of the receiver. For this, press the button *MUTE* on remote control. Now turn up the volume on TV until the moment you hear a noise. Now turn down the volume until the noise desapears. Normally this is around 50-75% of the total volume of the TV set.

2.8. Stop the functions
With the button *Exit* you can stop functions like channels search or close menus.

2.9. Open Main menu
To open the main menu, you have to press the button *MENU*.
The menu system is made in a tree structure

2.10. Watch the last viewed channel

With the *Back* button, you can access to the channel viewed previously.

2.11. Channel list

When all the menus are closed, you can open a channel list by pressing the button *OK*.

With the button *TV/R* you can switch between TV and Radio channels.

With the button *FAV* you can sort this list as follows:

POS, Position in channel list
Name, by alphabetic sort
FTA / CAS sort by free or coded channels

If the position or the name of the channel fits, you can carry out a searching.
Press the **Green** button to select the searching mode until the symbol (…) appears in the row *Pos* or *Name*, and introduce the characters with the alphanumeric keyboard.

The handling of the keyboard is like in a mobile phone.
When you press one button several times you will have different results.
Example: If you press button 2: a, b, c and 2

You will get a channel list with the information requested.

2.12. EPG Electronic Program Guide

By pressing the button *EPG* you will start the electronic program guide.
The receiver gets the information of the tuned channel. The information only will be available in case the broadcaster transmits it.

With the buttons ▲ ▼ you can select a channel and with ◄ ► one event. The *Blue* colour field highlights the current selected event and the *Red* line shows the current time.
With the *Yellow* button you can mark one event. The receiver will switch to this channel once the event has begun. If you select an event which has already started, the receiver switches to this channel immediately.
Using the *REC* button (over and event) the receiver will record this event into the internal hard disk.

Pressing the button *INFO* you will get more detailed information about the event.

With the arrow buttons ▲ ▼ you can move along the text.
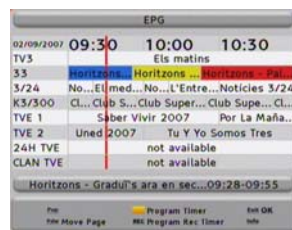
2.13. Favourite channel list

If no menu is opened, you can get your favourite channels list by pressing the button *FAV*.

With the buttons **Pup** / **Pdw** you can switch between 8 different lists, if you have marked channels before. With the buttons ▲ ▼ you can select a channel from this list.

2.14. Menu Audio

If all menus are closed you can open the menu *Audio* by pressing the button *Audio*.

You can change here the audio output in *Stereo*, *Left* and *Right* audio format.

Testing the channels, you will be able to make the most suitable selection. Standard selection is *Stereo*.

2.15. Signal and Channel information

Pressing the INFO button, with no menu activated,
You will see the channel information and the Signal Level Bar. This information is the same that appears when you change the channels.

In the signal bar we can see the following information:
Channel Number, Channel Name, current Time and Date,
Name of the current event and brief description given by EPG.
Start and Stop time of the event and the indication of the current time from the beginning in yellow colour.

This menu disposes of 2 keys of advanced functions. Blue and Yellow keys. Through Blue key, you can get the technical information of the shown channel at the top part of the window, as you can see in the image:
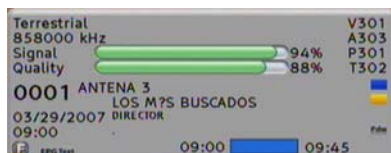
Yellow key allows seeing which will be the next event indicated by EPG, with its start and stop times.

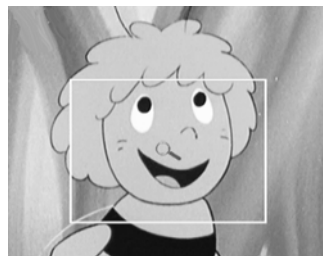**2.16. Changing favourite channels**

With the buttons *FAV+* and *FAV-* you can switch the favourite channels directly.

The Sequence for the channels is the established one before in main channel list.

2.17. Zoom Function

With the *Zoom* button you can see more details of the image.

By pressing the button *OK* you can select the enlargement.
If you want to stop, please press *Exit*.

2.18. Subtitles

When no menu is opened, you can start with *Sub* button the subtitle function.
Subtitles only can be displayed when the operator transmit them.

2.19. Short-circuit protection

If you see one message like this, you have a short circuit or to high power
in the antenna system.
In this case switch off the receiver and check the system.
The displayed information stops automatically when the problem is solved.
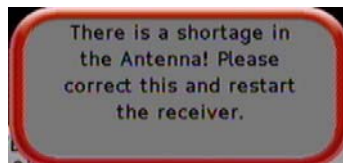
2.20. Fast record

If you want to record one event immediately you must press only
the button *REC* on the remote control. You will see the event as usually
and you will see a red point for a while in screen.
If you press *REC* more that one time, you can select how long the
record will be.
Selection: 30min, 60min, 90min, 120min, 180min, 240min
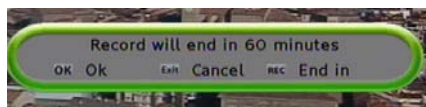
If you press only one time the record time will be according your
selection, which will be done in:
Menu > *System Settings* > *Recording settings*

2.21. Time Shift

If you want to use time shift function to stop one event, you only need
to press only the button ►II one remote control.

The program stops and it will be stored on the hard disk until you restart to
watch it. The OSD shows you the information about the time delay from the
original event.

When you want continue you only press again ►II.
As the information you see now comes from the hard disk, you can also
use forward and backward functions.

If you press several times ►► you can adjust the speed for forward.
Selection: 2x, 4x, 8x speed.
You also have the option 5m, in this case the receiver moves in 5 minutes steps.

Through INFO Key, you can see the time difference between you playback and the realtime, in an horizontal bar which
appears in the top part of the picture.
The maximum time that the equipment allows recording meanwhile it is paused is for 4 hours.

The red bar is the recorded time, the yellow bar is the played time, the rest of time is the time in Time Shifting mode.

When you exit of the Time Shifting mode, the receiver will give you the
option of storing the Time Shifting in the Hard Disk like a recording.
Press **OK** to save the recording.
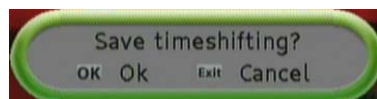
Chapter 3 Channel management

3.1. TV-Channel list
Here you will find an overview about all channels.
Channels can be administrated, moved, deleted or blocked.
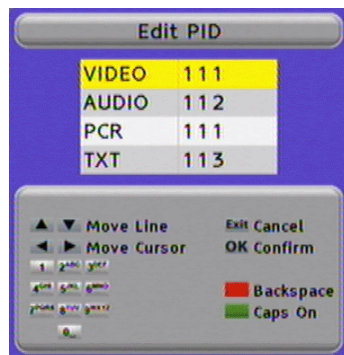
The navigation is with the buttons ▲ ▼ and ◄ ►.

With the button *TV/R* you will switch between TV and Radio
channels.

With the button *LIST* you can sort this list as follows:
POS, Position in channel list
Name, alphabetically
FTA / CAS sort by free or coded channels

To see the PID information, you have to press the button *TEXT*.
This information will be read by the receiver automatically and it gives
the information where the program is in the data stream.

It is not necessary to change it, but it can be done by the numeric keys
of the remote control.

3.1.1 Skip channels
With this function it is possible to skip selected
with the buttons *CH+* / *CH-* or ▲ ▼.

If you want mark channels for skipping, you have to select the channel and then press
the *Blue* Button *Skip*. Doing this, you will see that the channel has a symbol
like the one at the right side. Marked channels only will be opened by channel list.

3.1.2 Lock channels
If you want to lock channels with a password needed for opening them,
you can do it with this function.
If you want to mark channels, please select the channel by ▲ ▼
buttons and than press the *Yellow* button *Lock*.
Doing this, you will see that the channel now has a symbol like the one at the right side.
In order the function works properly, you have to activate the password
function in menu *Parental Control*.

3.1.3 Delete channels
If you want to delete one channel, you have to select it and then press the
Red button *Delete*.
Doing this, you see now one symbol like one the right side.
You can mark more than one channel, the channels will be deleted when you close the
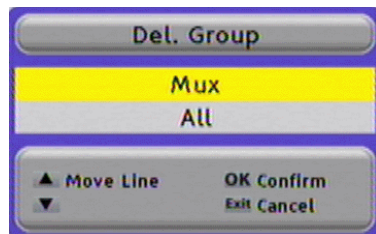*Channel Management*.

3.1.4 Delete channel groups or all channels

If you want to delete a channel group or all channels,
you have to select them and than press the *Green* button *Del. Group*.

In the following submenu you should choose all channels from one
MUX or *All* channels.
With the *OK* button the selection will be done.

3.1.5 Edit channels

If you want to move channels in their position in channel list
or you want to change their name, you can do it in the submenu
Edit Channel.

To do it, press the button *INFO*.
In the line *POS* you can change the placement in channel list
In *Operation*, you can select the mode of changing the position of the
channel. You can choose between Move (it will shift the rest of
channels) and Exchange (it will exchange the position between 2
channels)
In the line *Name* you can modify the actual name of this channel.

The keyboard handling is like in a mobile phone.
When you press one button several times you will have different
results.
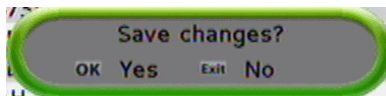Example: If you press button 2: a, b, c and 2
With the arrow buttons you can move the cursor in its position.
In this menu, the *Green* button change between normal and
capital letters and *the RED* button delete the letters.
With the *OK* button the selection will be done.

The receiver stores the changes when you leave the menu.
Please confirm by selecting with ◄► *OK* the message.

3.1.6 List of favourite channels

With the buttons *1* to *8* from the numeric block you can select channels of the favourite channel list 1 to 8.
At the column *Favourite* of the Channel List, you will see which Favourite list each channel is from.

If you want to give to a favourite channel list an own name,
you can do it by pressing the button *FAV*.

With the buttons ▲ ▼ you have to select one list.
In the line you can move the cursor with the buttons ◄►.
The RED button delete letters and the *Green* button change between
normal and capital letters.

The keyboard handling is like in a mobile phone.
When you press one button several times you will have different results.
Example: If you press button 2: a, b, c and 2
With the *OK* button the selection will be done.

Chapter 4 PVR Management

The PVR Management is similar to a file viewer.

Internal or external data devices
With the button *TV/R* you can select between the internal hard disk or another one at the USB 2.0 HighSpeed connected external device.

Ordering recorded files options.

Stored files And folders

Pre-viewing window of the selected file.

Information of the selected file.

4.1. Play record
If you want play one record, you can do it by pressing the button *OK.*

4.2. Lock record
With this function it is possible to lock one record and you need to give the password before playing it.
If you want to mark a record for lock, please select the file and then press the *Yellow* button *Lock*.
Behind this channel you will see now a symbol like the one at the right side.
In order to the function works properly, you have to activate the password function in menu *Parental Control*.

4.3. Delete record
If you want to delete a recorded file, select it and press the *Red (Delete)* button.
Doing this, it will appear a menu requesting for confirmation to delete, press *OK* to delete or *Exit* to exit without deleting.

4.4. Movies, MP3, Photos
The file list contains the different file formats that can be played. You can differentiate them with the icon placed at the left side of the file number.
You can select between:

Pictures in JPEG or PNG format

Music in MP3 format

Movies (recorded by receiver)

4.5. Sorting
In order to have a better view, you can sort the files.

Please press the button *LIST*.

With ▲ ▼ buttons you can select the following options:

Sort A to Z: Sort the files related to the first letter of the name in A,B,C….
Sort Date: Sort the files related to the file date.
Sort Size: Sort the files related to the file size.
Sort None: No sorting

4.6. HDD Management
In the HDD management submenu you can see the capacity of the
hard disk. You also see the free space available.
To open this menu, you have to press the button *PVR*.

The indicated HDD capacity is lower than the one the manufacture writes.
This is due to the manufacturers often counts as follows.
1 GB = 1.000.000 bytes
More correctly is 1GB = 1.024.000 bytes.
The result for this is that a 160GB HDD indicated by the manufacturer
the storage have real 148GB. This receiver shows you the real space.
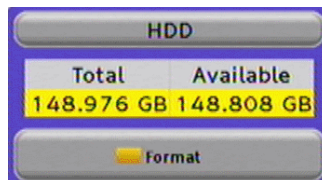
If you want to delete the hard disk totally, you can do it with
the *Yellow* Button *Format* and the hard disk will be completely erased.

Caution: This process will delete also saves you have made with Backup tools.

4.6.1 Folder management
To keep sorted your HDD, you can create own folders.
To do it, open the folder management by pressing the button *Text (copy)*
and then press the *Yellow (Add)* button to create a new folder.

In one folder you can create again other folders.

The navigation inside the folder management is made with the
buttons ▲ ▼ .

4.6.2 Delete folder
If you want to delete one folder with all included files, you can
do it with the *Red* button *Delete*.
Doing this, it will appear requesting for confirmation to delete, press *OK* to delete or *EXIT* to exit without deleting.

4.6.3 Lock folder
With this function it is possible to lock one folder, you will need to give the
password before playing.
If you want to mark a folder for locking, please select the file and then press
the *Yellow* button *Lock*.
Behind this folder you see now a symbol like the one at the right side.
In order to this function works properly, you have to activate the password
function in menu *Parental Control*.

4.6.4 Add folder

In the menu of Record Management, push the *Text (Copy)* button and you will enter in a submenu.

With the *Yellow (Add)* button, you can add a new subfolder.

The keyboard handling is like in a mobile phone.

When you press one button several times you will have different results.

Example: If you press button 2: a, b, c and 2

With the arrow buttons you can move the cursor in its position.

In this menu, the *Green* button change between normal and capital letters and *the RED* button delete letters.

With the *OK* button the folder will be created.

4.6.5 Move file

If you want to move one file to another folder, you can do it as follows:

If it is not opened, please open the *PVR Management* by pressing the button *PVR*.

Press now the button *TEXT* to open the folder management.

It will appear two columns with the same files. The left column is the file origin which will be copied or moved, the right column is the destination where the file will be copied or moved.

Though the *PVR* key, you can change the order of the file, for passing to that the origin will be the USB device. In the same way, the *TV/R* key modifies the destination device, in order to select the USB or the internal HDD.
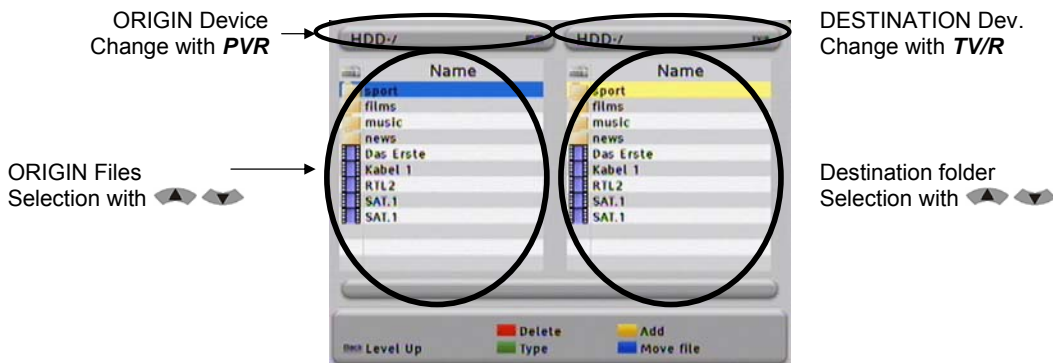
You can select the folder by pressing OK when it has been selected. To change the window where the selections are being done, use the GREEN key and you will see the yellow highlighted to the other window.

Once selected the file to copy in the left column and the destination where it will be copied in the right one, press the BLUE key to proceed to the copy or movement of the file. You should have selected the origin file in yellow, in the left column.
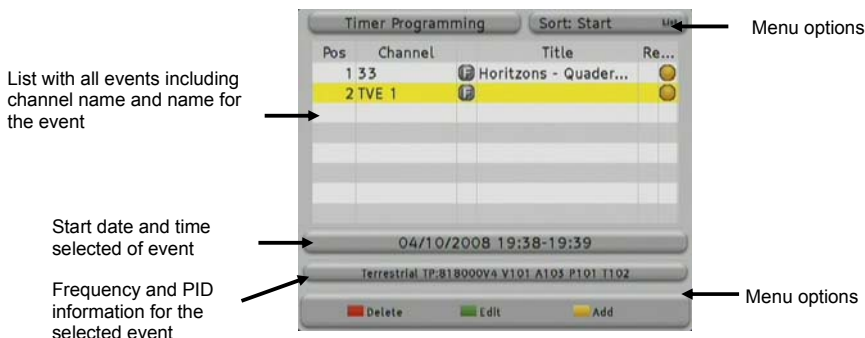
The receiver stores all the events in the folder *PVR* .

Please select with the buttons ►► and ◄◄ the folder where the file is stored currently and press the *OK* button.

The equipment copies when the origin and the destination have different devices, it means, from Hard Disk to external USB. However, the equipment moves files when the origin and destination are in the same device.

ORIGIN Device
Change with *PVR*

DESTINATION Dev.
Change with *TV/R*

ORIGIN Files
Selection with ▲ ▼

Destination folder
Selection with ▲ ▼

Chapter 5 Timers

In menu *Timers* you get one overview about all events which you have stored.
These events can be store over EPG or direct in this menu.

List with all events including
channel name and name for
the event

Start date and time
selected of event

Frequency and PID
information for the
selected event

Menu options

Menu options

5.1. Sorting

For having a better view, you can sort the events.
Please press for this the button *LIST*.
With ▲ ▼ buttons you can select the follow options:

Sort Channel: Sort the list related to the first letter of the program name in A,B,C….
Sort Name: Sort the events related to the name of event in A,B,C….
Sort Start: Sort the files related to the start time.
Sort Pos: Sort the files by date of creation.

5.2. Delete Timer

With the *Red* button *Delete* you can delete events.
With ▲ ▼ buttons you can select one event and then press the
Red button *Delete*, then confirm the following message.

5.3. Edit / Add timer

With the *Green* button *Edit* you can modify one event,
This can be useful, when you want to record one event and
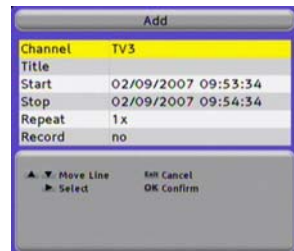you do not know exactly its starting or ending time.

With the *Yellow* button *Add* you can add manual one event.
The using of *Add* and *Edit* is the same.

Channel
Here you can change the channel which will be recorded.

Press the button 🔽 and select in the new menu the channel you want
by the buttons ▲ ▼ and press *OK*.

Title
You can modify an existing title or create a new one.
If you want to change it, select this line by ▲ ▼ buttons.

The keyboard handling is like in a mobile phone.
When you press one button several times you will have different results.
Example: If you press button 2: a, b, c and 2

With the arrow buttons ◄ ► you can move the cursor in its position.
In this menu, the *Green* button changes between normal and
capital letters and *the RED* button deletes letters.

Edit	
Channel	33
Title	Horitzons - Travessa de l'...
Start	02/09/2007 09:55:45
Stop	02/09/2007 10:22:45
Repeat	1x
Record	no

▲ ▼ Move Line   Exit Cancel
► Select   OK Confirm

Start / Stop
If you want to modify start and stop times, select this line
by ▲ ▼ buttons.

Press now ► and select with ◄ ► the entry you want to change.
The entry will be modified by the buttons ▲ ▼.
When you have finished, press *OK*.

Start
09 - FEB - 2007 09 : 55 : 45

▲ ▼ Change Value   OK Confirm
◄ ► Move Cursor   Exit Cancel

Repeat
The standard value is *1x*, for one time recording.

With the buttons ◄ ► you can choose the following options also.

2x - *6x*	This repeats the recording next day, at same time, same channel.
T	This repeat the recording every day at same time, same channel.
W	This repeat the recording every week at same time, same channel.
Monday – Friday	It will repeat the recording since Monday to Friday in the same channel and at the same time.

Record
Here you can select if you want to store this event to the internal hard disk , in an external device, or not.
If you select *no*, you can store one event through one DVD-Recorder over the connector *VCR Scart*.

Selection: *yes – internal, yes- external* or *no*

Chapter 6 Tools

In this menu you can find two little helper tools.
The calculator is useful for fast calculations and with the calendar
you can mark dates for special events like birthdays.

6.1. Calculator

The using of the calculator is very easy.
With numeric block remote control, input the numbers.
For the calculations you use the colour buttons.

Red Button   Addition
Green Button   Subtraction
Yellow Button   Multiplication
Blue Button   Division

The button **OK** is used for = function.
With the buttons ◄ you restore the calculator.
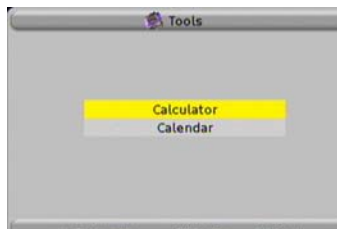
6.2. Calendar

If you open the calendar, the yellow marked field shows the current date.
This will be shown in the line under the calendar.

With the buttons **Fav-** and **Fav+** you can switch between the months.
With the buttons **Pup** and **Pdown** you can change the year.
In the first column it is marked the number of week in the year and one
blue marked field shows a stored event.

You can select the individual dates with the buttons ◄ ► and
▲ ▼.

Add one event (Anniversary)
If you want to add an event, select the date and press the
Yellow button **Add Anniversary**.

You can type the name for the event like in a mobile phone.
When you press one button several times you will have different results.
Example: If you press button 2: a, b, c and 2

With the arrow buttons ◄ ► you can move the cursor in its position.
In this menu, the **Green** button changes between normal and
capital letters and *the RED* button deletes letters.

If you select later a blue marked field you will see the name info the field.

Delete one event
If you want to delete an event, you have to select it and then press
the **Red** button **delete Anniversary**.

Change Alarm
Pushing the **Green** button, you can add an alarm to the event, you will see that this symbol (*) appears close to the
date. A visual alarm will appear in the screen the day of the event.

Chapter 7 System Settings

In the menu *System Settings* you will find all basic adjustments
of the Receiver.

7.1. Menu Language
Here you can choose the language which will be shown in the receiver.
You can select:
English, German, French, Spanish, Italian, Portuguese

Please select with the buttons ▲ ▼ and then press *OK*.

7.2. Audio Language
Here you can choose the audio language for the TV and Radio channels.
Example:
If you select English and the channel you want to see have one
audio carrier in English, you will get the audio in English.

If there is no audio carrier in English, you will get the first one which is
supported in this channel, for example German.
You can select:
English, German, French, Spanish, Italian, Portuguese

Please select with the buttons ▲ ▼ and then press *OK*.

7.3. Time Zone
In order to the receiver shows the correct time as well as adjusting the records
properly, it is needed the adjustment of the Time Zone where you live.

For UK: Summer time: +1 hour
               Winter time: GMT hour

Please select with the buttons ▲ ▼ and then press *OK*.

7.4. TV Settings

Here you can adapt your receiver to your TV set and you can select
the screen format.

TV Settings	
TV System	PAL
TV Format	4:3
RF Mode	PAL B/G
RF Channel	21
Picture Format	Letter Box
TV output	CVBS
Loop VCR	Master
LPC Mode	On
Sleep	Sleep OFF

▲ ▼ Move Line   Exit Cancel
◄ ► Choose   OK Confirm

TV-System
Select here which TV system your TV set support.
Selection: *NTSC*, *PAL*, *Secam* and *AUTO*
Please change with the buttons ◄ ►.

TV-Format
Select here which TV format your TV set has available.
Selection: *4:3*, *16:9* and *AUTO*, please change it with the buttons ◄ ►.
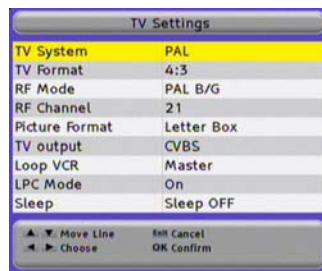
RF Mode
If you connect your TV or Video set with one IEC coaxial connection at the
output *TO TV,* you will need to select which system is supported by this device
Options: *PAL M, B/G, I, D/K* or *NTSC* , please change them with the buttons ◄ ►.

RF Channel
Here you can select which channel the modulator has to use.
This is only needed if you connect your receiver with the IEC coaxial connection at the
output *TO TV* to your TV set.
Selection: Channel *21* to *69* , please change with the buttons ◄ ►.

Picture Format
This option is only available when you have not selected *TV format* in mode *AUTO*.
Options: *Pan&Scan* or *Letter Box* , please change with the buttons ◄ ►.
In this option you can choose how the pictures in films with a big format will be adapted to your TV set.
If you select *Pan&Scan* you will see one part of the film and at the left and right sides it will be cut
In **Letter Box,** the picture will become smaller and you will see on top and bottom two black bars.

TV output
This option allows choosing how the receiver will send the colours to the TV set.
Selection: *CVBS* , *RGB*, *SVIDEO* or *YUV* , please change with the buttons ◄ ►.

Loop VCR
Here you select the priority of an external video signal.
If you have selected *Slave,* the receiver shows every time the signal coming from the VCR Scart connector, when there
is signal available. It also can be a signal from DVD player or recorder.
If you have select *Master* , the signal from receiver has priority and you will see only the signal from connector VCR
scart when the receiver is in Standby mode.
INFO: This receiver has a special LPC mode for saving current. If you select *Slave* the LPC mode will be disabled.
Selection: *Master* or *Slave* , please change with the buttons ◄ ►.

LPC Mode
This receiver has a special LPC mode for saving current. This reduces the consumption in Standby mode.
Please check your settings in menu *Loop VCR* . In the LPC mode, the antenna signal keeps cut at the output *TO TV* ,
so if you use the antenna signal to watch the TV through the receiver, you should disable it.
Selection: *ON* or *Off* , please change it with the buttons ◄ ►.

The LPC function has 2 consequences. The first one is the time it delays to switch from Stand By to working mode, and
the second one is that in this mode, the signals which has to pass through the tuners or the modulator are attenuated
because off the unfeeding from the main board. If whatever of these 2 effects are disturbing you during the use of your
PVR, just disable this function.

Sleep
If you want shut down the receiver automatically, you can choose here the time for the sleep timer.
Selection: *15*, *30*, *45*, *60*, *75*, *90*, *105*, *120* or *Sleep Off*
Please change it with the buttons ◄ ►.

7.5. Recording Settings

Impulsive Recording Limit
Select here how much time do you want to record when you activate the function Fast Recording.
Selection: *1*, *2* or *4 hours*

HDD Manager
With this menu you can open the HDD manager, which is described on chapter 4.6.

For opening, press button .

USB
In this menu you will see the total space and the free space of your USB device. You also can format this device.

Margin REC EPG (Before)
Here you can indicate if you want that the recording begins before the starting time of the EPG. You can select among 0, 5, 10, 15 or 30 minutes.

Margin REC EPG (After)
Here you can indicate if you want that the recording ends after the ending time of the EPG. You can select among 0, 5, 10, 15 or 30 minutes.

Disable HDD
Selecting On, the Hard Disk will switch off when nobody is accessing to it, saving energy.
Selecting Off, the Hard Disk will be always powered on.
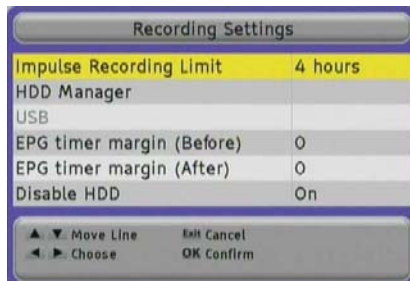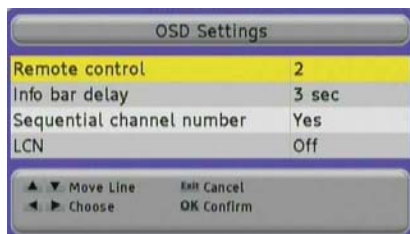
7.6. OSD Settings

Remote control
Here you can change the transmission code for the remote control if you have problems with other devices.

Please change it with the buttons .

For saving the changes, please press *OK* .
Do not forget to change also the code on the remote control.

For this, press the button *CODE* on your remote control until the correct LED is lighting.

Info bar delay
Here you can select how long the information of the OSD will be displayed on the screen.
Selection: *1* to *10 sec.*
Please change it with the buttons .

Number of Sequential Channel
Selecting **Yes** in this option, the positions of the channels will be occupied continuously and sequentially. Although you move the position of one channel, you will shift the positions to avoid leaving empty channels.

Selecting **No**, you can leave empty channels if we shift the position of one channel.

LCN
With this option you can select, how the receiver have to sort the channels after a new search.
Please check if LCN is supported in your country.
Selection: *ON* or *Off* , please change it with the buttons .

7.7. Version
Here you get information about the hard and software from your receiver.

Manufacturer	Manufacturer of the receiver.
Model	Exact article name.
Hardware	Revisions number from main PCB
Loader	Version for boot loader
Software	Version for installed software
FP	Version for VFD display
Guarantee	Beginning of the warranty time
CRC	Checksum of the EEprom

Version	
Manufacturer	UNIVERS
Model	U5000
Hardware	V1.0.0
Loader	V1.0.0
Software	V1.0.35
FP	V3.0.6
Guarantee	
CRC	F1E19D94

OK Exit Exit

7.8. Factory Default
With this option you can restore the receiver totally to the status when
the receiver was used the first time.

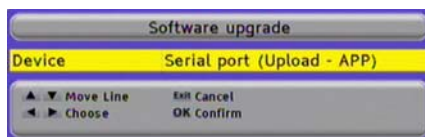Caution: Make this only if you are 100% sure, this step can is irreversible.

Recordings on the internal hard disk will not be damaged due to this action.

The system is going to reset to factory defaults settings. Are you sure?
ok Yes   Exit No
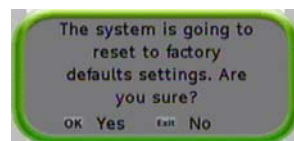
7.9. Software Upgrade
With this menu you can transfer data and install new software.

With the buttons ◄ ► you can choose between the following
possibilities.

Software upgrade
Device   Serial port (Upload - APP)
▲ ▼ Move Line   Exit Cancel
◄ ► Choose   OK Confirm

|	
Serial port (Download)	Start data download via RS-232 connection.
Serial port (Upload-ALL)	Send all stored channels and main software to other receivers by using RS-232 connection.
Serial port (Upload-Backup)	Send the backup file (receiver database) and software to other receivers by using RS-232 connection. For this, the receiving receiver must have been executed a factory default before.
Serial port (Upload-UserDB)	Send all stored channels to other receivers by using RS-232 connection.
Serial port (Upload-APP)	Send the receiver software to other receivers by using RS-232 connection.
USB (Download)	Start the data download via USB. Caution, on USB Stick can be only one receiver file. *Upload-ALL* or *Upload Backup* creates two files. **usbupdate_userdb_V1_0_27.bin** Database **usbupdate_V1_0_27.bin** Software Both can be used but one must be delete manually on PC.
USB (Upload-ALL)	Send all the stored channels and main software to USB-Stick. This create two files.
USB (Upload-Backup)	Send the backup file (receiver database) and software to USB-Stick. This create two files.
USB (Upload-UserDB)	Send all stored channels to USB-Stick.
USB (Upload-APP)	Send the receiver software to USB-Stick.

Chapter 8 Parental Control

With this menu, you can activate the parental control where is necessary to give one password before opening channels or making settings.

8.1. Set Lock
To activate the parental control, select with ▲ ▼ button *Set Lock* and then press ◄.
You have to give the standard code *0000* or your individual one with the numeric block from the remote control. Then press *OK* button.
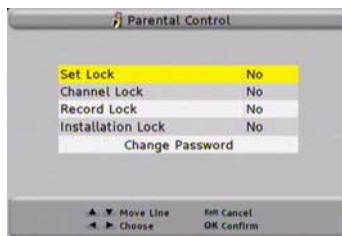
8.2. Channel lock
Here you can activate the parental control for channels if you have marked it in *Channel Management* for *Lock*.
For this, select with the buttons ▲ ▼ the line *Channel Lock* and than press ◄.
You have to give the standard code *0000* or your individual one with the numeric block from remote control. Then press *OK* button.

8.3. Record Lock
Here you activate the parental control for recording events.
For this, select with the buttons ▲ ▼ the line *Record Lock* and than press ◄.
You have to give the standard code *0000* or your individual one with the numeric block from remote control. Then press *OK* button.

8.4. Installation Lock
Here you cane activate the parental control for the menu *Parental control*, *System Settings* and *Installation*.

For this, select with the buttons ▲ ▼ the line *Installation Lock* and then press ◄.
You have to give the standard code *0000* or your individual one with the numeric block from remote control. Than press *OK* button.
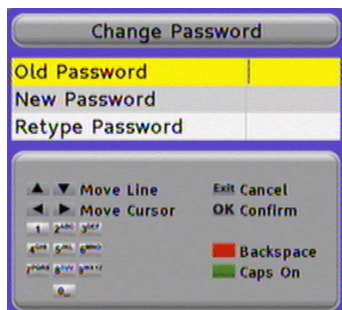
8.5. Change Password

When you want to change the standard password, select for this with the buttons ▲ ▼ *Change Password* and press *OK* button.

Old Password	Input here the actual password
New Password	Input here the new password you want. Password must have 4 digit.
Retype Password	Retype here the new password and press *OK* button.

⚠ **If you loose in any time the standard or your individual password you can unlock it with master password *5100*.**

Chapter 9 Installation

Over this menu you can search for new channels *Channel Search*,
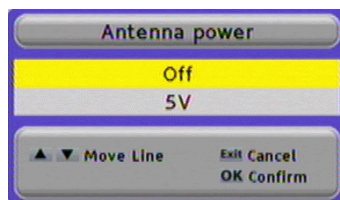modify the frequency list *MUX Management*, or make backups.

9.1. Antenna power
If you use this receiver with an active antenna DVB-T, you can give it directly
5 V for feeding it.

For this select with the buttons ▲ ▼ the line *Antenna power*
and then press *OK*.

Select now with ▲ ▼ the line *5V* and then press *OK*.

9.2. Channel Search
With this menu you can also start searching new channels
This process has been described on page 12.

9.3. MUX Management
Here you can modify the frequency list of the channels. In normal conditions,
you do need no handling.

Delete Frequency
If you want delete one frequency, you can do it with the *Red* button *Delete*.
Doing it, you will see now one symbol like the one at the right side.
You can mark more than one lines, all of them will be deleted when you close the
MUX Management.

Edit / Add Frequency

With the *Green* button *Edit* you can modify one frequency,
and with the *Yellow* button *Add* you can add one new frequency .
The use of *Add* and *Edit* is the same.

Please input here the middle frequency of one carrier.
Example: CH 26 is from 510 up to 518 MHz
                The correct frequency is 514MHz

In the line BW you have to select the bandwidth for this frequency.
Normally is in VHF band 7MHz, and in UHF 8MHz.
If everything is done, press *OK* button.
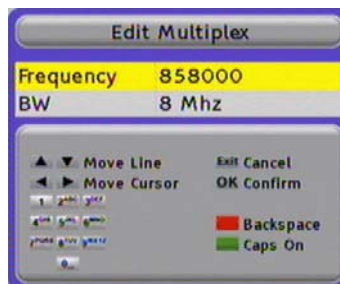
Skip Frequency
With this function it is possible to skip one frequency in the channels searching process.
The marked frequencies will not be checked when new channels are searched, so make sure before marking these channels.

For marking the frequencies, select it with the buttons ⬅ ➡ and ⬆ ⬇ and then press the *Blue* button *Skip*.
You can mark more than one frequency.

9.4. Backup
Here you can save and load personal backups.

Load Backup
This function load one backup from internal receiver memory.

Save Backup
This function saves one backup to the internal receiver memory.
This process overwrites whatever backup made before.

Delete Backup
This function deletes one backup in the internal receiver memory.

Load configuration (HDD)
This function loads one backup from internal hard disk.

Select with the buttons ⬆ ⬇ the line
Load configuration (HDD) and press *OK*.
In the submenu, you can select among your stored backups.

Load configuration (HDD)
This function saves one backup to internal hard disk.

You can give one individual name.

You can type the name for the backup like in a mobile phone.
When you press one button several times you will have different results.
Example: If you press button 2: a, b, c and 2

With the arrow buttons ⬅ ➡ you can move the cursor in its position.
In this menu, the *Green* button change between normal and capital letters and *the RED* button delete letters.

Delete configuration (HDD)
This function deletes one backup on your internal hard disk.

Select in the submenu the backup you want to delete
and press *OK*.

Chapter 10 The equipment of the receiver

10.1. Technical data
The features of a digital DVB-T receiver depend only on a part of its hardware / electronic components.
A big part of the functions are made by the software.

General

Reference	U5000
Reception range	DVB-T (VHF + UHF)
Memory places	8000
OSD Language	English, German, French, Spanish, Italian, Portuguese
Codes for remote control	3
HDD capacity	160 Gb
Electronic Program Guide (EPG)	Yes
Picture In Picture function (PIP)	Yes
LPC mode for save current in Standby	Yes
Time Shift	Yes
Fast Record Function	Yes
Recording over EPG	Yes
Play MP3 music	Yes
Play JPEG / PNG pictures	Yes
Integrated tele text decoder	Yes
Memory for tele text	800 pages
Data connections	RS-232, USB 2.0 HighSpeed

VIDEO

Decoding	MPEG-2 & MEPG-1 compatible
Bit Rate	Max 15Mbps
Output	NTSC/ SECAM / PAL
Screen format	4:3 / 16:9 / Auto
Resolution	720X480 @ 30fps; 720X576 @ 25fps
Connections	S-VHS, Scart (RGB), YUV or RCA

AUDIO

Decoding	MPEG-2/MEPG-1 layer 1&2
Sampling rate	32 / 44,1 / 48
Connections	RCA, AC3 coaxial, AC3 optical

DEMODULATION

Demodulation	COFDM 2k, 8k
Guard	1/4, 1/8, 1/16, 1/32
Input data rate	2-45 MS/s

INPUT SIGNAL

Frequency range	VHF-UHF
Input level	-78dBm -20dBm

RF MODULATOR

Band	UHF C21-69
TV Standard	PAL BG / I / DK, NTSC
Output channels	21~69(PAL), 14~83(NTSC)

DIVERS

Current supply for active antenna	5V / 75mA
Power supply	90~260VAC 50Hz~60Hz
Consumption in work with Hard disk working	38,6 VA / 18 ,7 W max.
Consumption in Standby with LPC active	5,3 VA / 1,3 W
Size (B×T×H)	360×250×65mm
Weight	2,6 Kg